



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q68782

Takashi ONO, et al.

Appln. No.: 10/084,968

Group Art Unit: 2872

Confirmation No.: 2226

Examiner: Unknown

Filed: March 01, 2002

For: METHOD AND CIRCUIT FOR GENERATING SINGLE-SIDEBAND OPTICAL SIGNAL

SUBMISSION OF DRAWINGS

Commissioner for Patents
Washington, D.C. 20231

Sir:

Submitted herewith please find 11 sheets of drawings in compliance with 37 C.F.R. § 1.84. The Examiner is respectfully requested to acknowledge receipt of these drawings.

Respectfully submitted,

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Registration No. 24,625

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Date: AUG 21 2002

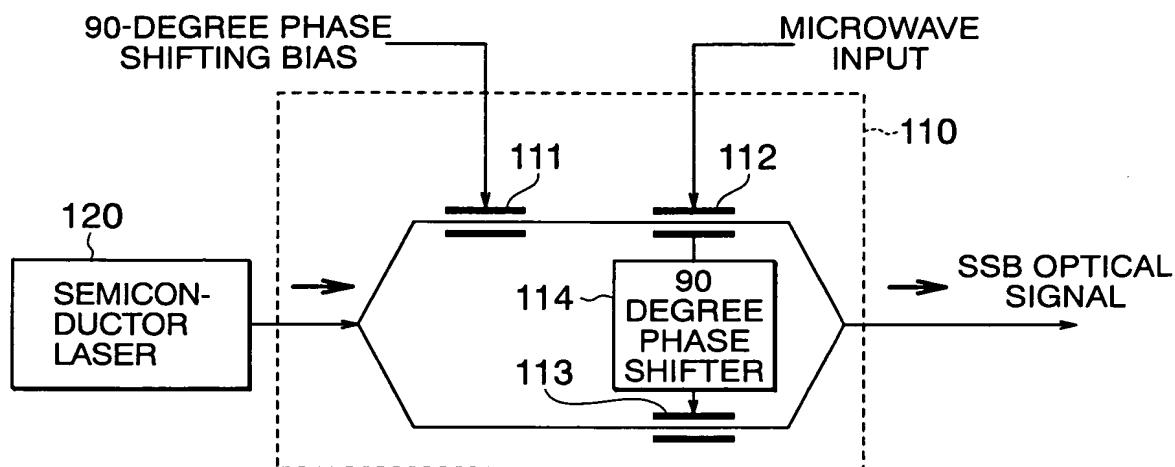
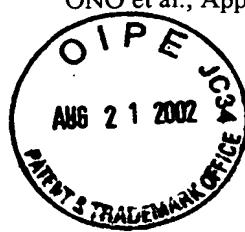


FIG. 1 RELATED ART

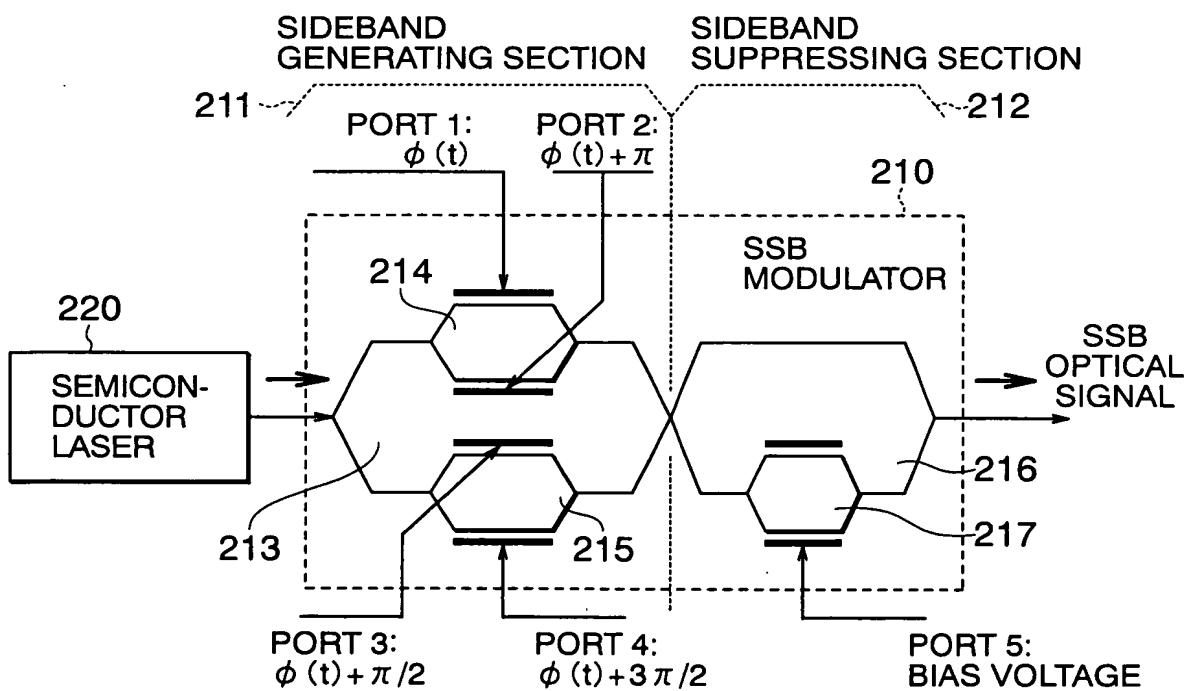


FIG. 2 RELATED ART

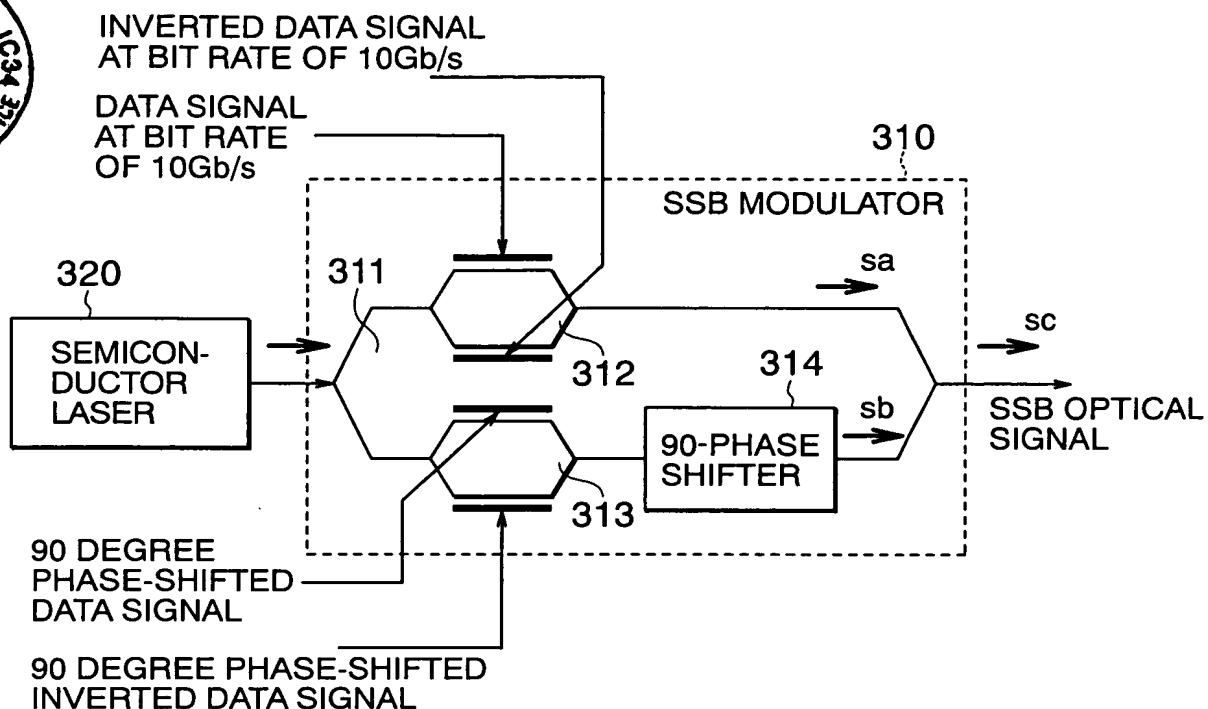
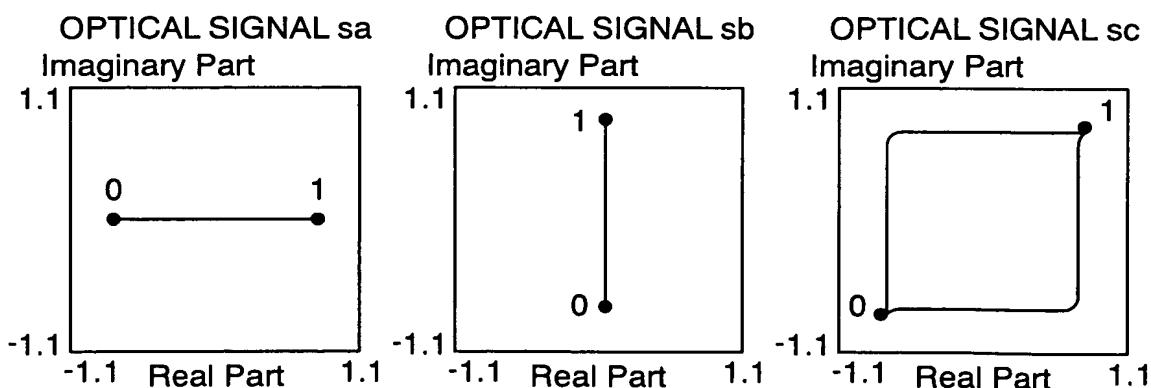


FIG. 3 RELATED ART

PHASOR DIAGRAM



**FIG. 4A
RELATED ART**

**FIG. 4B
RELATED ART**

**FIG. 4C
RELATED ART**

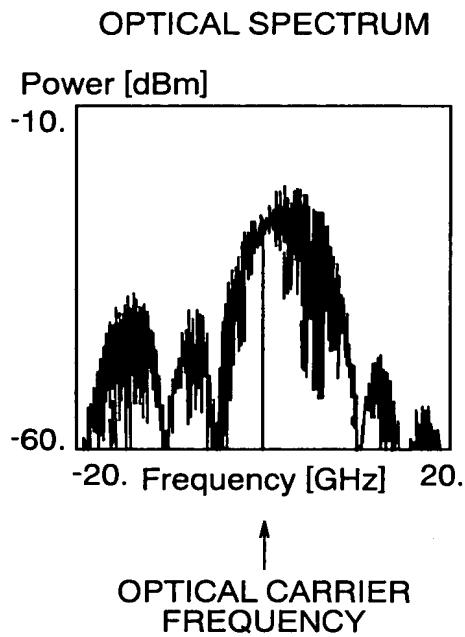


FIG. 5A
RELATED ART

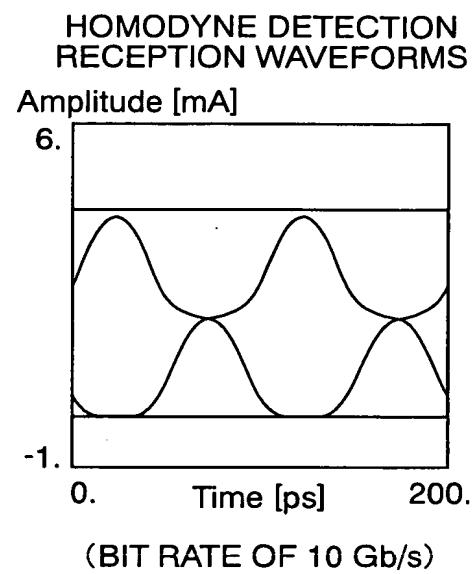


FIG. 5B
RELATED ART

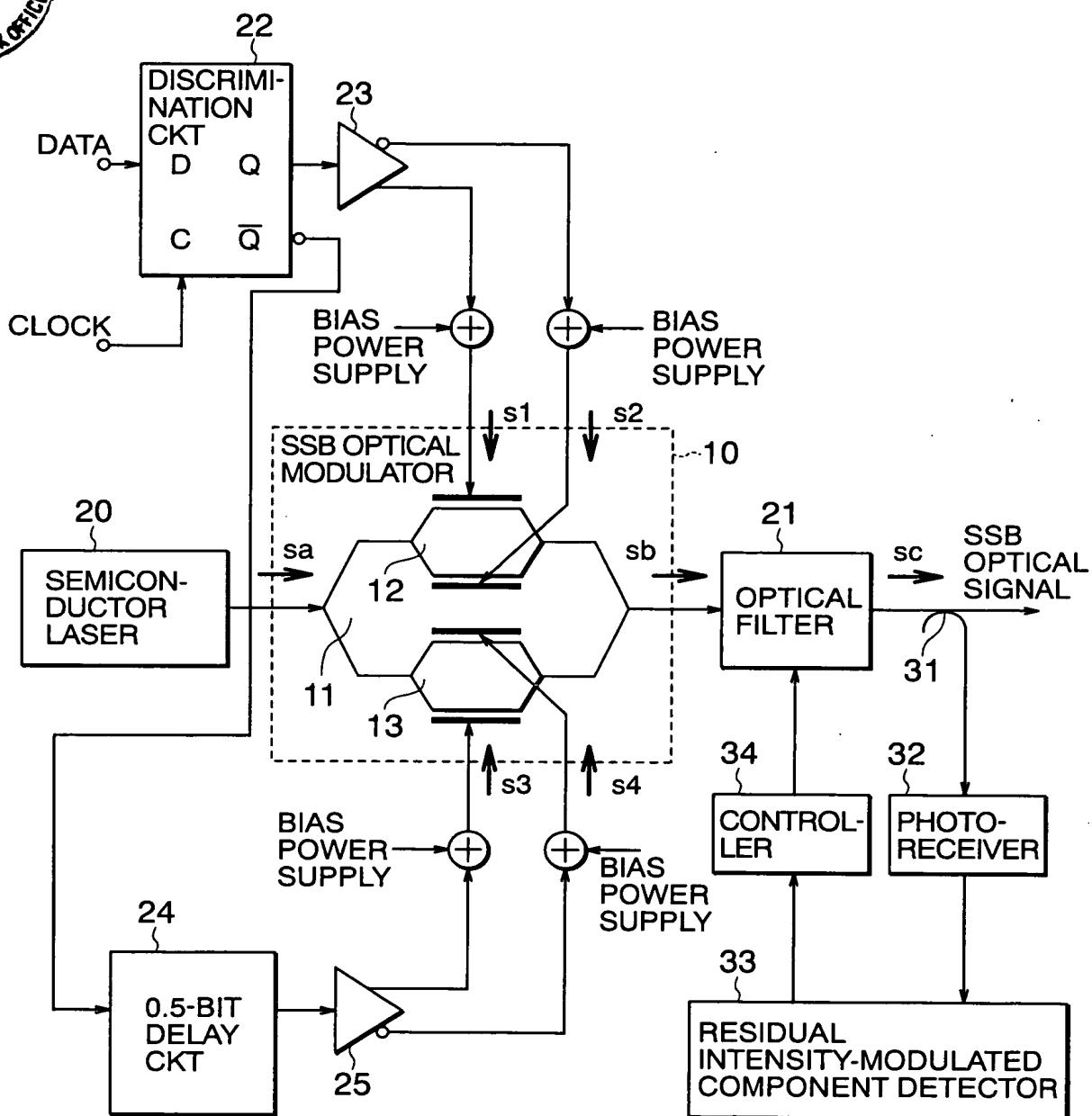


FIG. 6



OPTICAL FILTER CENTER FREQUENCY (+1.9 GHz)

OPTICAL SPECTRUM

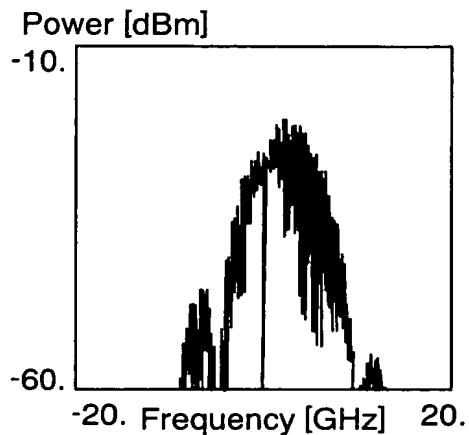


FIG. 7A

PHASOR DIAGRAM

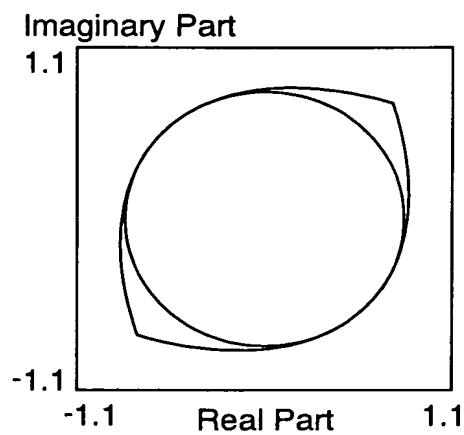


FIG. 7B

RESIDUAL INTENSITY-
MODULATED COMPONENT

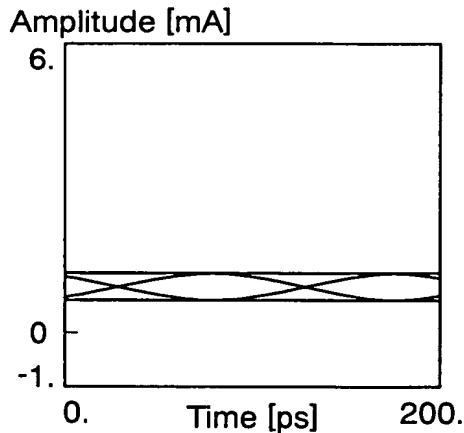


FIG. 7C

HOMODYNE DETECTION
RECEPTION WAVEFORMS

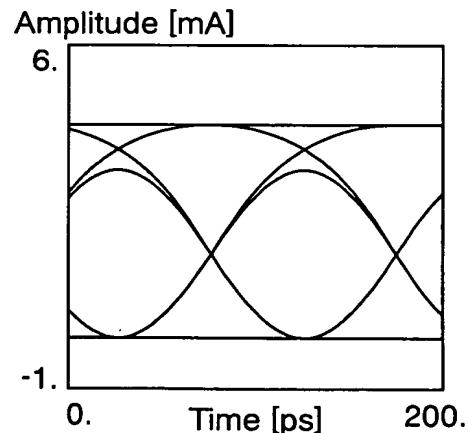


FIG. 7D



OPTICAL FILTER CENTER FREQUENCY (+4.4GHz)

OPTICAL SPECTRUM

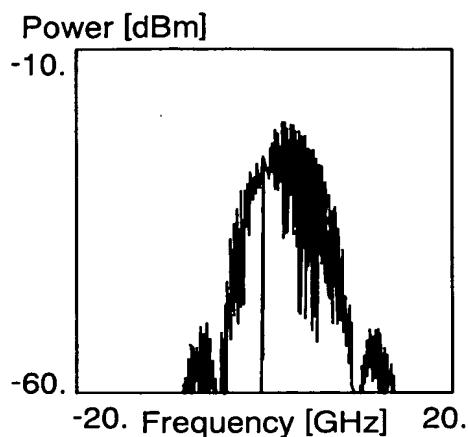


FIG. 8A

PHASOR DIAGRAM

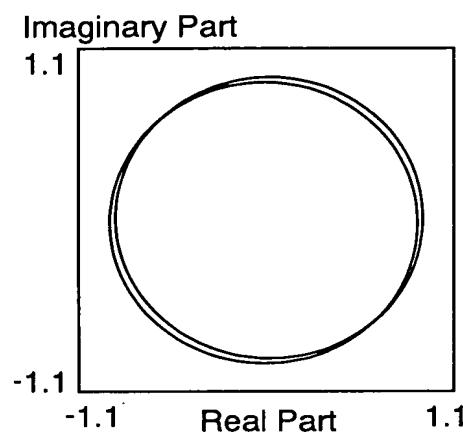


FIG. 8B

RESIDUAL INTENSITY-MODULATED COMPONENT

Amplitude [mA]

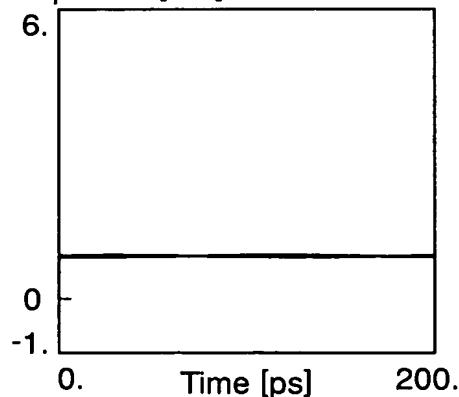


FIG. 8C

HOMODYNE DETECTION RECEPTION WAVEFORMS

Amplitude [mA]

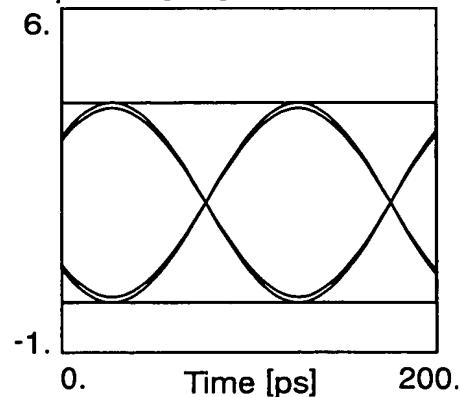


FIG. 8D



OPTICAL FILTER CENTER FREQUENCY(+6.9 GHz)

OPTICAL SPECTRUM

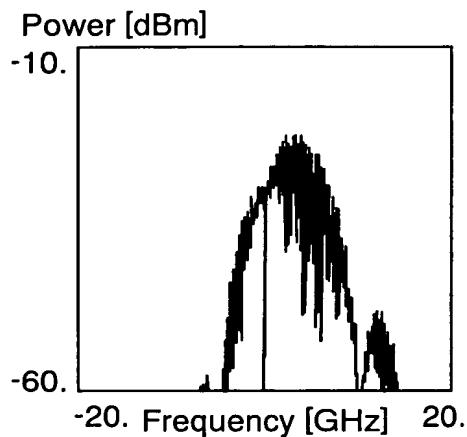


FIG. 9A

PHASOR DIAGRAM

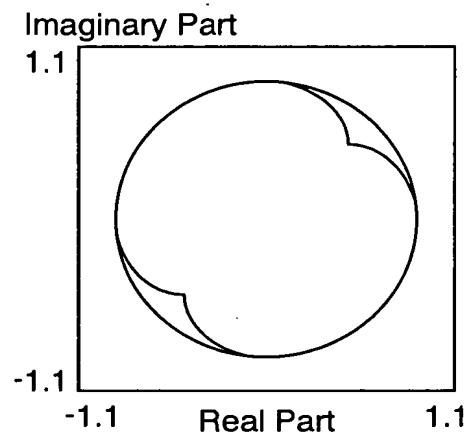


FIG. 9B

RESIDUAL INTENSITY-
MODULATED COMPONENT

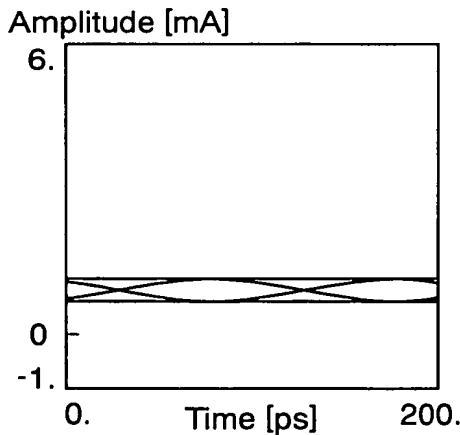


FIG. 9C

HOMODYNE DETECTION
RECEPTION WAVEFORMS

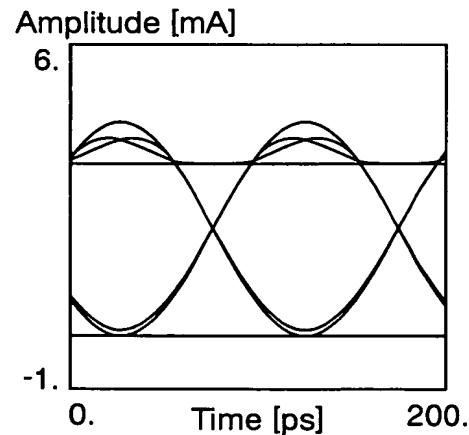


FIG. 9D

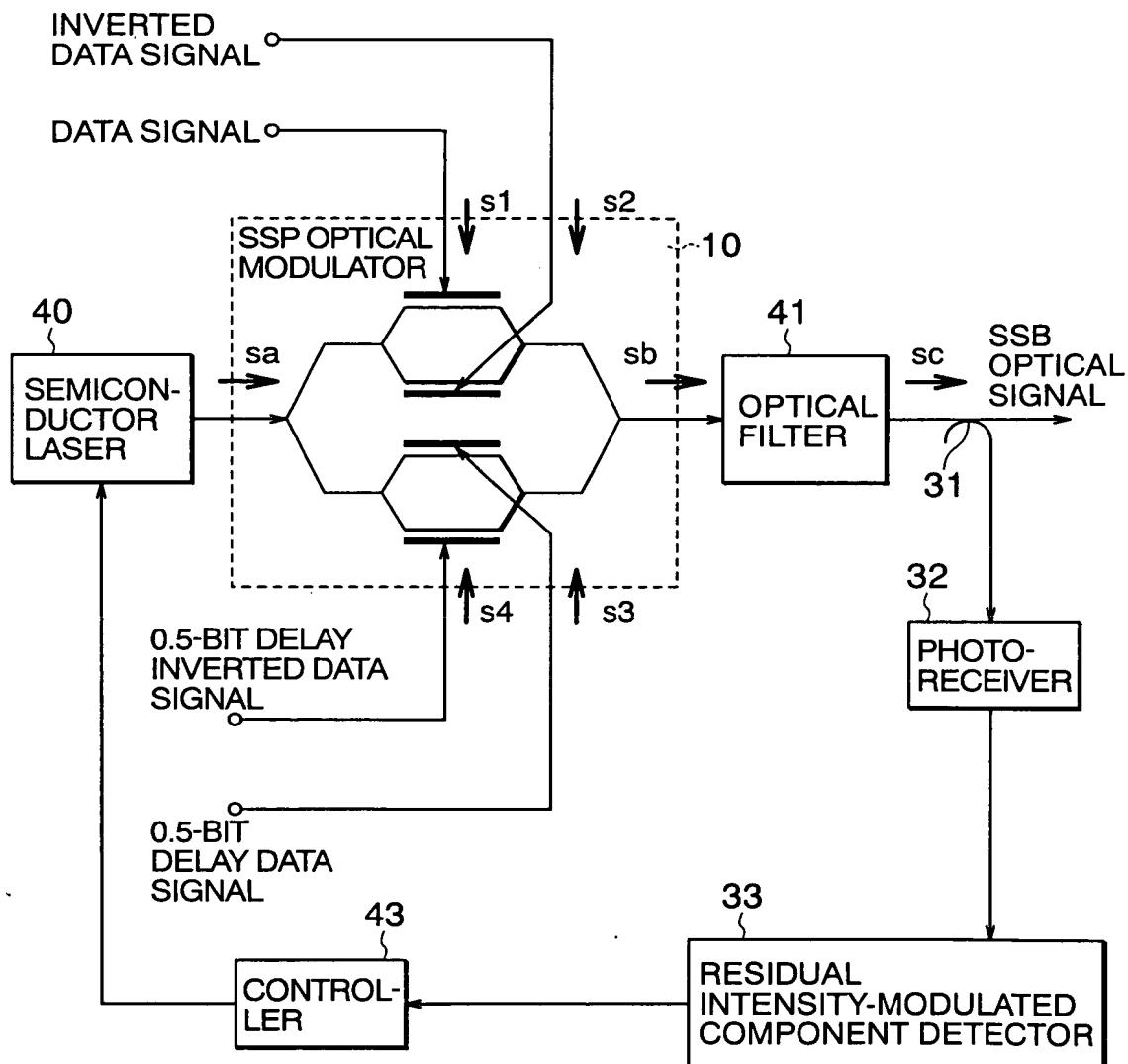


FIG. 10

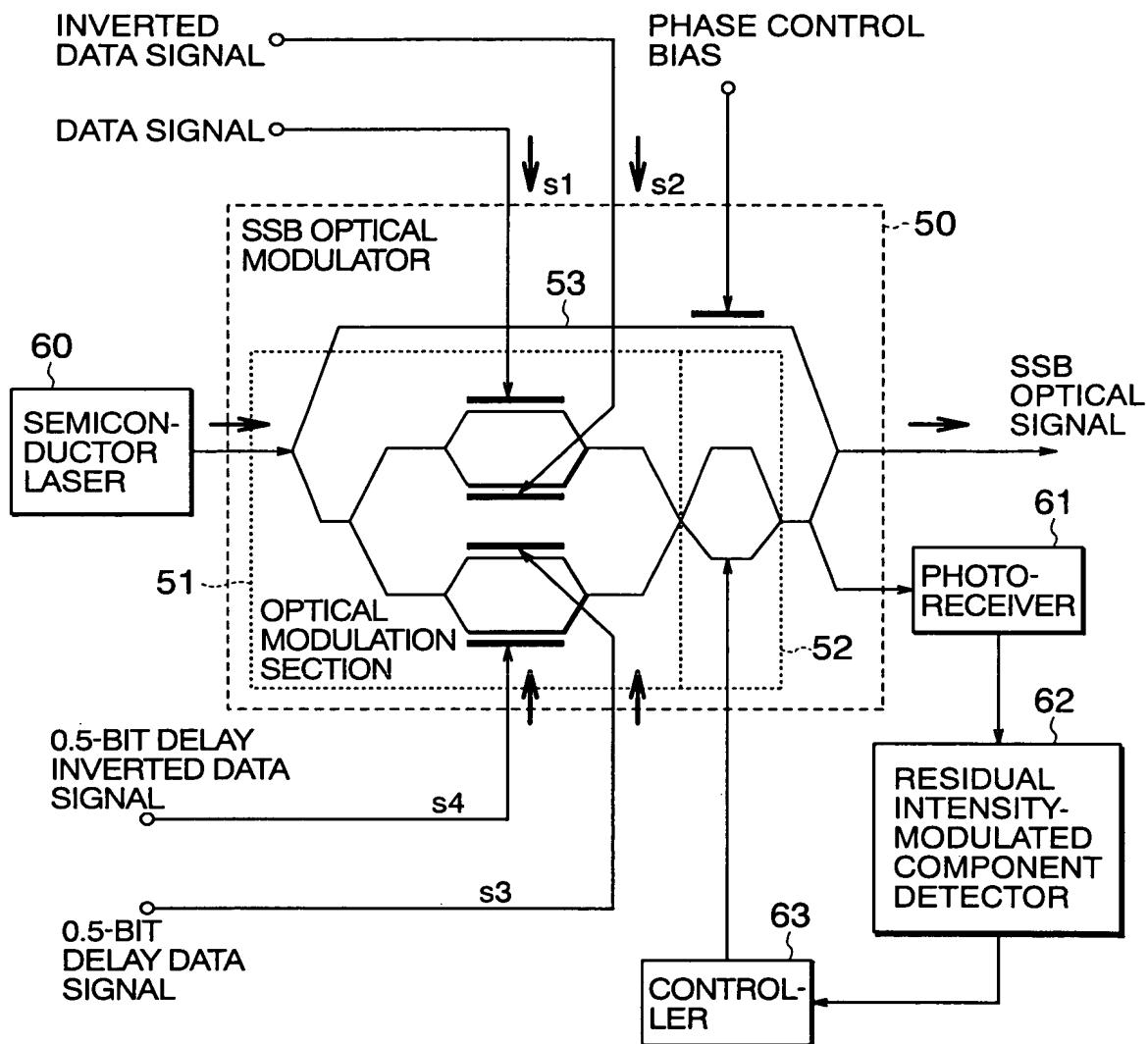


FIG. 11

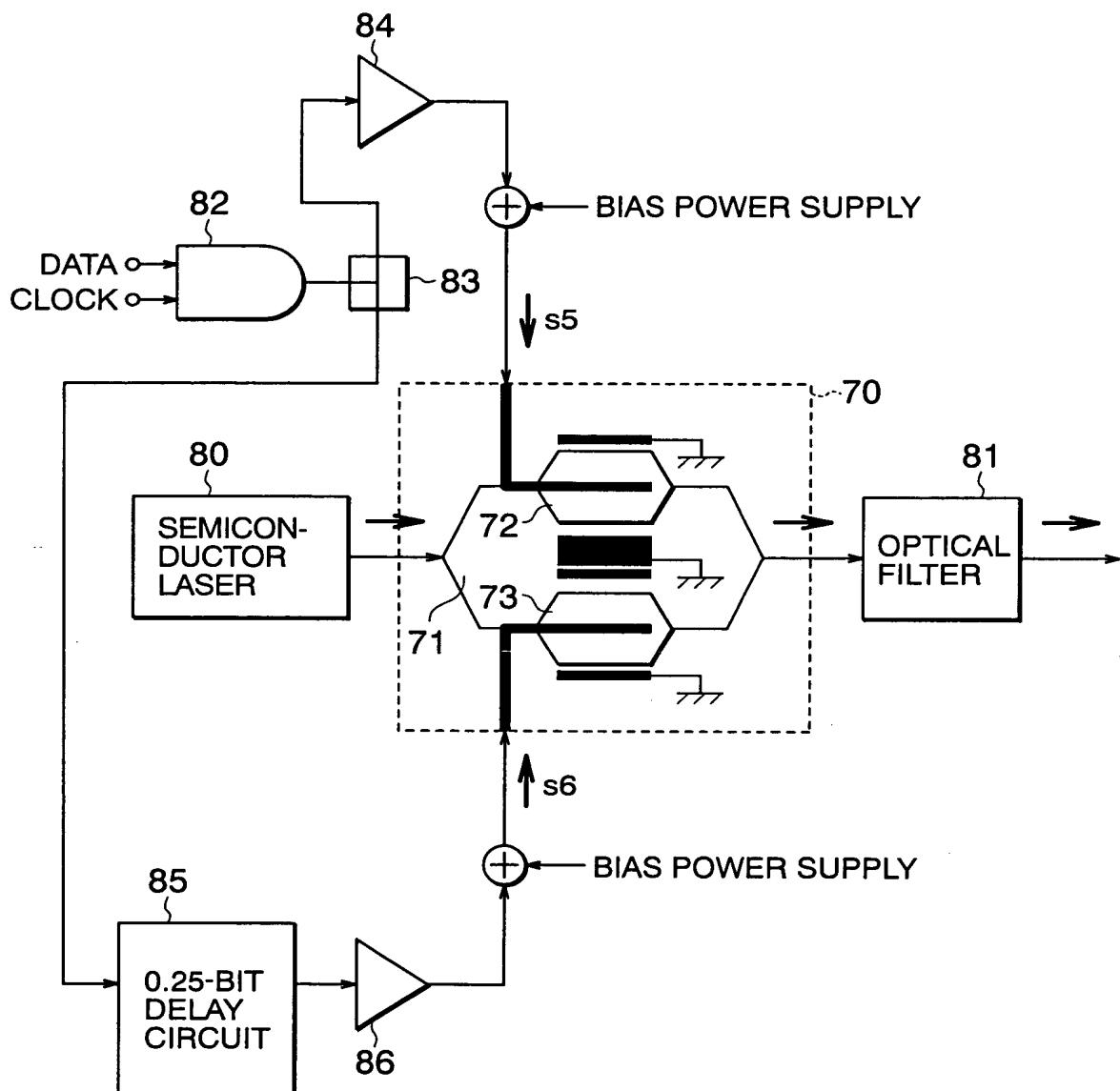


FIG. 12



OPTICAL SPECTRUM

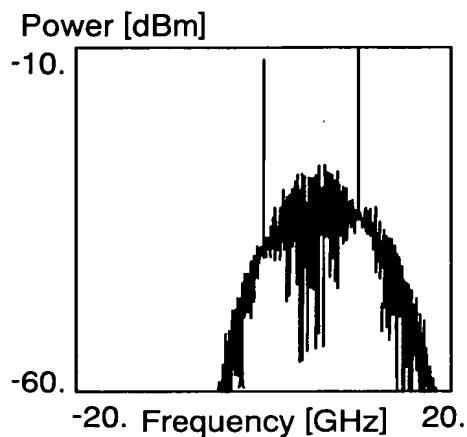


FIG. 13A

PHASOR DIAGRAM

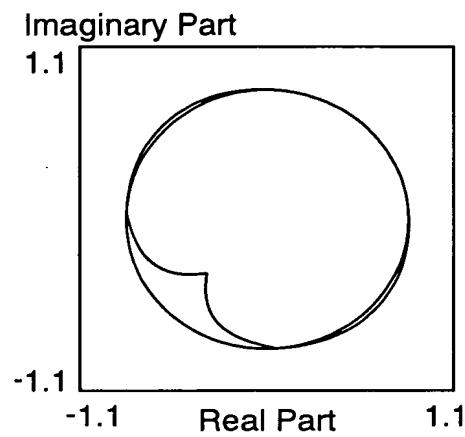


FIG. 13B

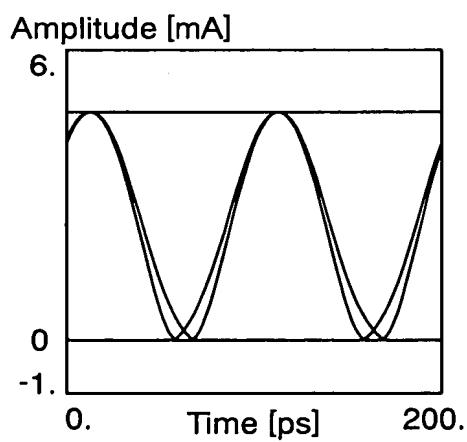
HOMODYNE DETECTION
RECEPTION WAVEFORMS

FIG. 13C